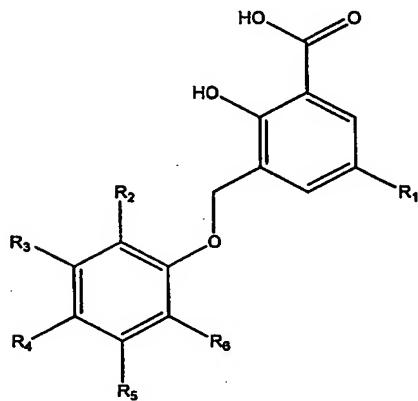


CLAIMS

What is claimed is:

1. A compound having the following structure:



or a stereoisomer, prodrug or pharmaceutically acceptable salt thereof, wherein:

R₁ is hydrogen, halogen, nitro, cyano, alkyl, substituted alkyl, alkoxy, hydroxy, aryl, substituted aryl, -NHC(=O)R', heteroaryl or substituted heteroaryl;

R₂, R₃, R₅ and R₆ are the same or different and independently hydrogen, halogen, nitro, cyano, alkyl, substituted alkyl, alkoxy, hydroxy, aryl, substituted aryl, heteroaryl or substituted heteroaryl;

R₄ is hydrogen, halogen, nitro, cyano, alkyl, substituted alkyl, aryl, substituted aryl, arylalkyl, substituted arylalkyl, heteroaryl, substituted heteroaryl, heteroarylalkyl, substituted heteroarylalkyl, -O-R₇, -C(=O)-R₇, -C(=O)O-R₇, -C(=O)-NH-R₇ or -NHC(=O)R";

R₇ is hydrogen, alkyl, substituted alkyl, aryl, substituted aryl, arylalkyl or substituted arylalkyl;

R' and R" are the same or different and independently alkyl, substituted alkyl, aryl, substituted aryl, heteroaryl or substituted heteroaryl; and

R_4 and R_5 or R_5 and R_6 , taken together with the carbon atoms to which they are attached, optionally form a substituted or unsubstituted homocycle.

2. The compound of claim 1 wherein R_1 is hydrogen.
3. The compound of claim 1 wherein R_1 is alkyl.
4. The compound of claim 3 wherein alkyl is methyl.
5. The compound of claim 3 wherein alkyl is $-C(CH_3)_2-CH_2-$
 $C(CH_3)_2-CH_3$.
6. The compound of claim 1 wherein R_2 is hydrogen.
7. The compound of claim 1 wherein R_3 is hydrogen.
8. The compound of claim 1 wherein R_4 is hydrogen.
9. The compound of claim 1 wherein R_4 is halogen.
10. The compound of claim 1 wherein R_4 is alkyl.
11. The compound of claim 10 wherein alkyl is *tert*-butyl.
12. The compound of claim 1 wherein R_4 is heteroaryl.
13. The compound of claim 12 wherein heteroaryl is thiophenyl.
14. The compound of claim 1 wherein R_5 is hydrogen.

15. The compound of claim 1 wherein R₅ is halogen.
16. The compound of claim 1 wherein R₆ is hydrogen.
17. The compound of claim 1 wherein R₆ is halogen.
18. A composition comprising a compound of claim 1 in combination with a pharmaceutically acceptable carrier.
19. A method for treating or preventing a condition in a mammal associated with altered mitochondrial function, comprising administering to a mammal in need thereof an effective amount of a composition of claim 18.
20. The method of claim 19 wherein the condition is: Alzheimer's Disease; diabetes mellitus; obesity; Parkinson's Disease; Huntington's disease; dystonia; Leber's hereditary optic neuropathy; schizophrenia; mitochondrial encephalopathy, lactic acidosis, and stroke (MELAS); cancer; psoriasis; hyperproliferative disorders; mitochondrial diabetes and deafness (MIDD); myoclonic epilepsy ragged red fiber syndrome; osteoarthritis; or Friedrich's ataxia.